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United States Patent [19]

Lesimple

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- [54] **DRIVING HEAD FOR STIRRER CANS**
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5,160,198 11/1992 Fillon 366/249 X
5,358,153 10/1994 Caldwell et al. .
5,368,389 11/1994 Dedoes .
5,498,077 3/1996 Krzywdzjak et al. 366/247

FOREIGN PATENT DOCUMENTS

127589 12/1984 European Pat. Off. 366/605
0409715 1/1991 European Pat. Off. .
0630764 12/1994 European Pat. Off. .
0633055 1/1995 European Pat. Off. .
2521493 8/1983 France .

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- [51] Int. Cl.⁶ B01F 7/24
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[58] Field of Search 366/197, 198.
366/242-251, 605

[56] References Cited

U.S. PATENT DOCUMENTS

- 2,524,384 9/1950 Marienthal 366/249
2,603,461 7/1952 Marienthal .
2,757,910 8/1956 O'Neill .
2,802,649 8/1957 Stockton .
2,965,363 12/1960 Worden .
3,041,052 6/1962 Dedoes 366/247
3,118,653 1/1964 Dedoes .
4,380,399 4/1983 Godat et al. 366/605 X
5,096,071 3/1992 Neri 366/605 X

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[57] ABSTRACT

A driving head for a stirrer can is provided. The stirrer can includes a cover with a rotatable plate having upwardly projecting fingers and further includes a stirrer inside the stirrer can. The driving head is mounted beneath a hollow shelf, includes a driven shaft and a blade fixedly connected to the driven shaft. The blade engages the fingers for driving the stirrer inside the stirrer can. A swan-neck shaped body having an upper portion, connected to the shelf, and a lower portion is provided. The lower portion of the body comprises a grip for engaging the rotatable plate of the stirrer can. The driven shaft projects through the upper portion of the body. A device for preventing rotation of the stirrer can is provided.

14 Claims, 5 Drawing Sheets

